

**USPS-RM2020-10-1**  
**Public Material Relating to Proposal Three**

**I. PREFACE**

**A. Purpose and Content**

USPS-RM2020-10-1 contains material related to Proposal Three to use IOCS-Cluster for carrier sampling.

**B. Methodology Changes**

New activity code 6720 represents the time carriers are clocked-in to Special Purpose Routes (SPR).

New activity code 7720 represents the time carriers are clocked-in as Supervisors on Sundays and holidays.

New activity code 7999 represents the time Supervisors are clocked-in to function 4 finance numbers no Monday – Saturday.

Table 1 lists the activity codes that have their costs determined by TACS clock ring data rather than by IOCS readings.

Table 1: Activity Codes with Weights Based on TACS

<b>Activity Code</b>	<b>Definition</b>
6720	City Carriers clocked-in to Special Purpose Routes (SPR)
7720	Employees clocking-in as Supervisors at Post Office finance numbers on Sundays/Holidays
7999	Employees clocked-in as Supervisors at Post Office finance numbers on Monday – Saturday, excluding Holidays. This is the control total cost for readings taken by non-cluster IOCS on Supervisors in Post Offices

The data recorded by the data collection software are identical to non-cluster IOCS except for the following difference:

- Detailed data are not collected for carriers who are not working in the tested finance number on the day of the test.

Additional description for the variables used to calculate dollar-weights are presented in the following table. The sampling unit is finance number for morning tests and district for afternoon tests.

Table 2: IOCS-Cluster Variable Descriptions

<b>Variable</b>	<b>Short Description</b>	<b>Source/Description/Formula, By Categories</b>
CraftGrp	Craft subscript	Based on roster designation or sampled user role
Rgroup	Route group of Carriers	Based on the route type number of the carrier working
TimeSpl	Strata of readings before 11:00 or after 11:00	= "Mornin" if before or near 11:00 = "Aftern" if after 11:00
DOWGRP	Group of days of the week	Mon-Saturday is group "NORM" Sunday/Holiday is group "SPCL"
SAMPHR	TACS hours for sampling unit at the time of sampling	Based on TACS frame at the time of sampling
SAMPHRAVG	Average sampled TACS hours for sampling unit by sampling group	= sum(SAMPHR)/Count(Tests) by sampling group
SAMPHRTOT	Total sampled TACS hours for sampling unit by sampling group	= sum(SAMPHR) by sampling group
SAMPTSTNUM	Number of Tests sampled within a sampling group	From sampling programs for each sampling group
QTRHRS	TACS hours for a specific sampling unit for the entire quarter	Based on TACS frame at the end of the quarter

<b>Variable</b>	<b>Short Description</b>	<b>Source/Description/Formula, By Categories</b>
QTRHRSAVG	Average actual TACS hours for a sampling unit for the quarter by sampling group	= sum(QTRHRS)/Count(Tests) by sampling group
QTRHRSTOT	Total actual TACS hours for sampling unit for the quarter by sampling group	= sum(QTRHRS) by sampling group
PSUWGTIND	Primary Sampling Unit weight for an individual sampling unit	= SAMPHRTOT / (SAMPTESTNUM * SAMPHR)
RATIOSAMP	Ratio of SAMPHR to SAMPHRAVG	= SAMPHR / SAMPHRAVG
RATIOQTR	Ratio of QTRHRS to QTRHRSAVG	= QTRHRS / QTRHRSAVG
PSUWGTADJ	Primary Sampling Unit Weight Adjusted for actual quarter hours	= PSUWGTIND * (RATIOQTR/RATIOSAMP)
ACTREADCOUNT	Number of readings by sampling unit	= Count(Testid) by finance number or base unit
SSUWGT	Secondary Sampling Unit Weight	= QTRHRS / ACTREADCOUNT
TESTWGT	Weight for the given Test	= PSUWGTADJ * SSUWGT
WEIGHTCAG	The proposed final CAG a reading should attributed to	Same adjustments as done to accrued accounting dollars.
BUCKETWGT	Total TESTWGT within a cost strata	= sum(TESTWGT) by CRAFTGRP, RGROUP, TIMESPLT, DOWGRP, and WEIGHTCAG
BUCKETCOST	Costs attributed by workhours and accounting to a cost strata	Costs for a given cost strata by CRAFTGRP, RGROUP, TIMESPLT, DOWGRP, and WEIGHTCAG
READWGT	Proportion of weight allocated by a specific reading	= TESTWGT/BUCKETWGT

Variable	Short Description	Source/Description/Formula, By Categories
READCOST	Proportion of cost allocated by a specific reading	= READWGT * BUCKETCOST

## II. ORGANIZATION

In addition to this Word (pdf) Preface, USPS-RM2020-10-1 consists of a zip file containing the additional files described below.

File Name	Contents
Workbooks\Cluster20PublicCostImpactFinal.xlsx	Unit cost impact workbook, compares change from current methodology (including Proposals 1 and 7 approved in January, 2020) to new methodology
Workbooks\CS02-Public-FY20Q2YTDCcluster20.xlsx	CS02 workbook, development of supervisor costs
Workbooks\CS06&7-Public-FY20Q2YTDCcluster20.xlsx	CS06&7 workbook, development of city carrier costs
Workbooks\I_FORMS-Public-FY20Q2YTDCcluster20.xlsm	I_FORMS workbook, support file for development of city carrier costs
Workbooks\IOCS_Cluster PRC CV Summary FY20Q2YTD public Ttl.xlsx	Coefficient of Variation workbook for city carrier costs
Workbooks\SupervisorImpact.xlsx	Workbook that reflects the changes in supervisor costs
SASPrograms\ATTCOST	SAS program that uses TACS workhours and accrued accounting costs to attribute costs to the defined cost buckets
SASPrograms\CL101	SAS program to estimate cost weights for IOCS-Cluster tallies using TACS data in addition to trial balance control total dollars
SASPrograms\CL103	SAS program for additional processing of International tallies, modified version of ALB103
SASPrograms\CLCARM	SAS program to distribute costs for mixed mail tallies, modified version of ALBCARM
Data\ PRCPubCL20.sas7bdat	IOCS-Cluster data (public), FY20 Q1 and Q2, PC-SAS dataset

<b>File Name</b>	<b>Contents</b>
Data\PRCPubCL20Flat.dat	IOCS-Cluster data (public), FY20 Q1 and Q2, flat file
Data\PRCPubCL_FLTFMT.txt	SAS macro to read flat file
Data\IOCSDataDictionary_IOCSCluster.xls	Description of the variables in the IOCS-Cluster dataset
Documents\AppendixA.pdf	Descriptions of the technical aspects of the proposal such as the weighting equations
Documents\iocs-clusterprocedures_final_oct2019.pdf	Instructions provided to the field

Note: The data files contain IOCS-Cluster data elements that would be used for the development of the CRA. It was developed by dropping variables that would not be used in development of the CRA, and recoding variables containing sensitive information.

The following variables were recoded:

TestID: the finance number portion of the testid has been recoded.

FinanceNum: the finance number has been recoded.

EmployeeEIN: the Employee Identification Numb has been recoded.

F244: competitive mail products have been recoded.

F262: competitive mail products have been recoded.

F9805: competitive mail products have been recoded.

F9806: competitive mail products have been recoded.

The public datasets have been further modified by assigning activity code x475 to all domestic competitive products and x780 to all International products, and dropping variables that could identify these products.